

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\  
 Data File : VN061329.D  
 Acq On : 7 May 2020 13:24  
 Operator : JC/MD  
 Sample : PB128697ZHE#03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128697ZHE#03

Manual Integrations  
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 5/8/2020 1:18:16 PM

Quant Time: May 08 09:08:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 07:01:08 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 92765    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 169939   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 169340   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 70457    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 79773    | 54.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.70% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 48183    | 47.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.90%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 217834   | 53.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.36% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 80107    | 51.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.92% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 8741     | 10.096 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.50  | 84   | 2797m    | 2.444  | ug/l    |          |
| 43) Isopropyl Acetate       | 8.13  | 43   | 34487    | 10.420 | ug/l #  | 90       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

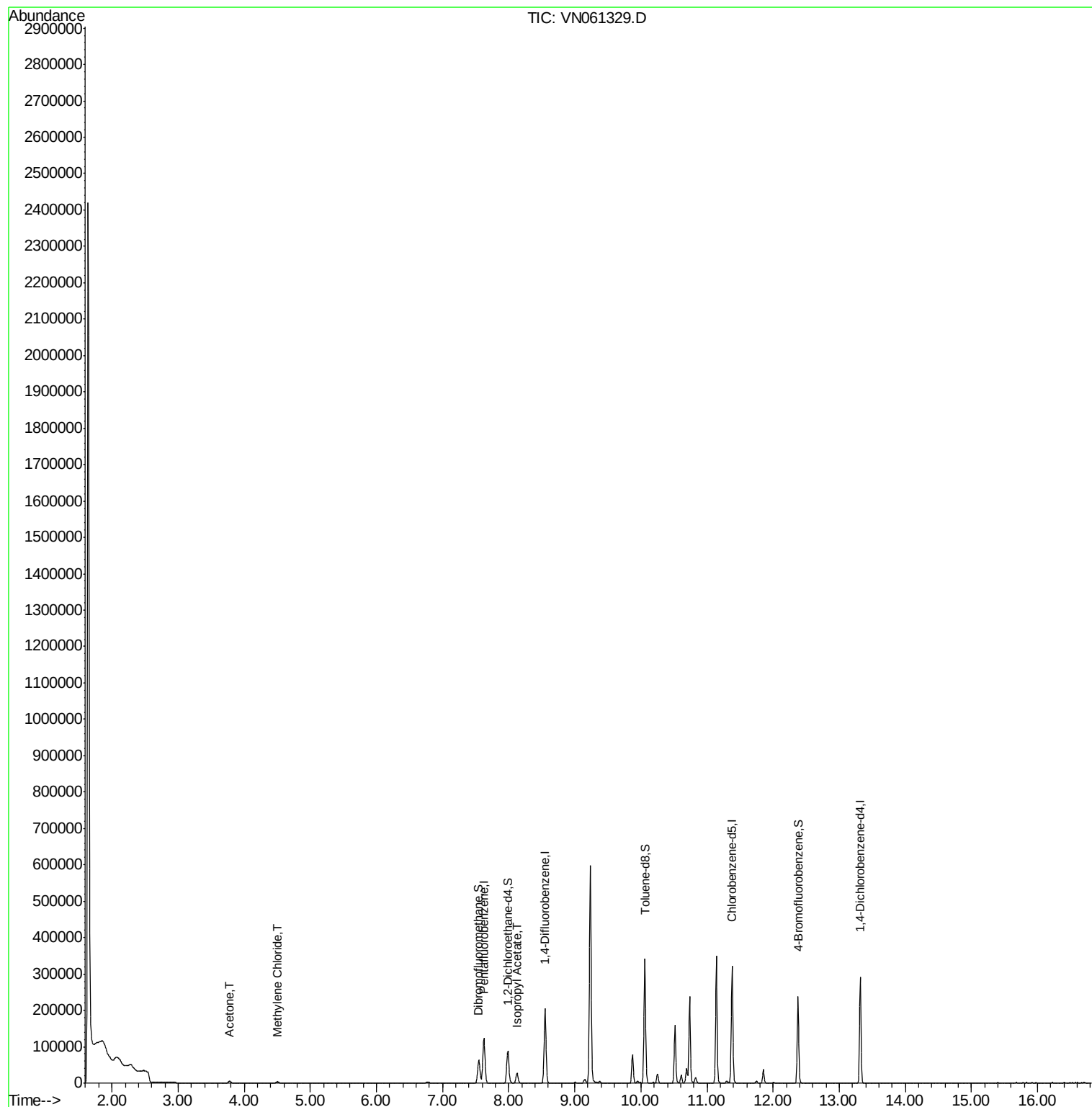
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\  
Data File : VN061329.D  
Acq On : 7 May 2020 13:24  
Operator : JC/MD  
Sample : PB128697ZHE#03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 1

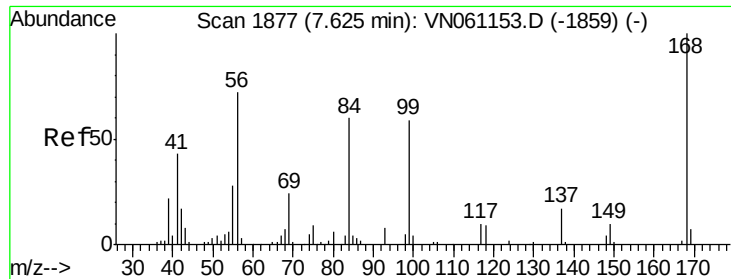
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB128697ZHE#03

Manual Integrations  
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5/8/2020 1:18:16 PM

Quant Time: May 08 09:08:27 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 05 07:01:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA\_N

ClientSampleId :

PB128697ZHE#03

Tot Ion:168 Resp: 92765

Ion Ratio Lower Upper

168 100

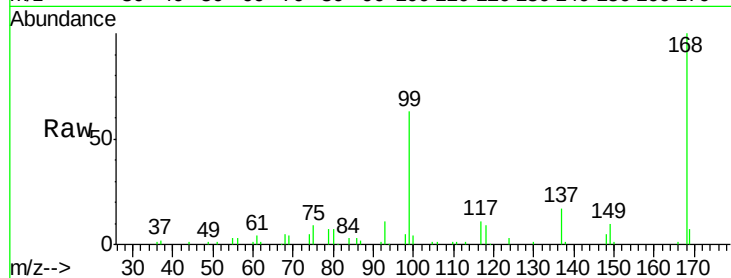
99 62.7 51.2 76.8

Manual Integrations

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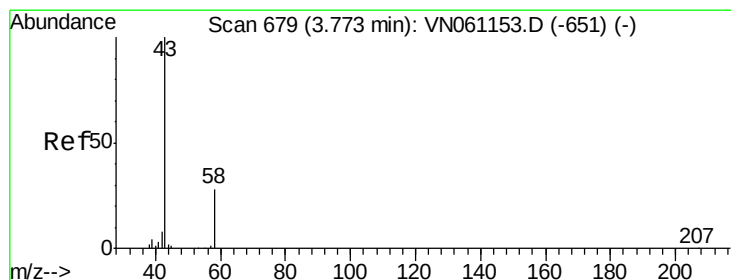
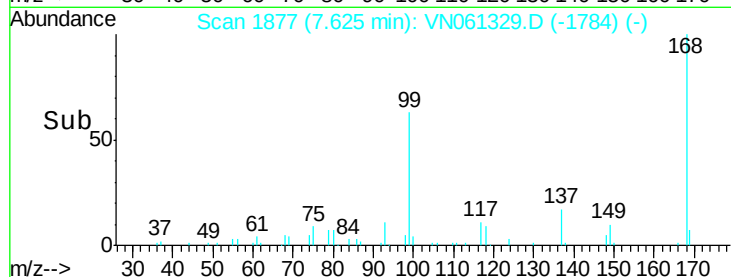
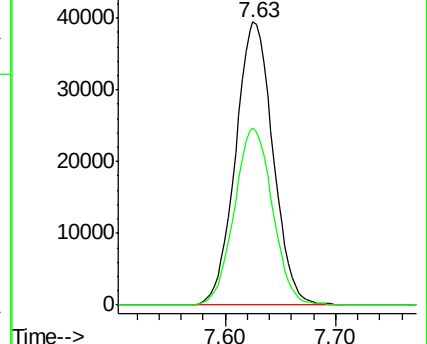
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 10.096 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061329.D

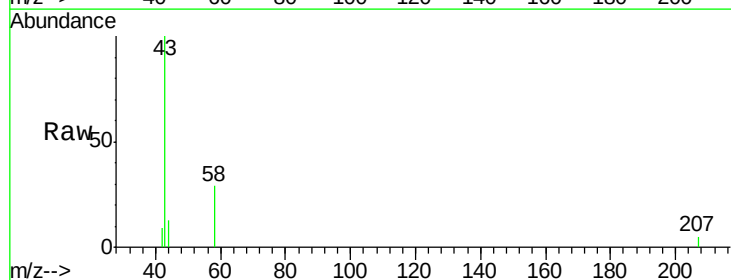
Acq: 7 May 2020 13:24

Tgt Ion: 43 Resp: 8741

Ion Ratio Lower Upper

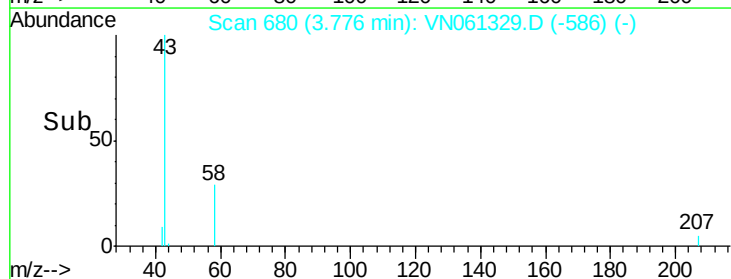
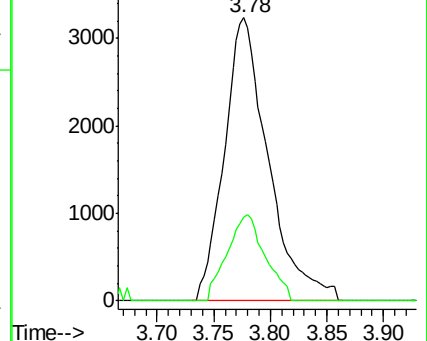
43 100

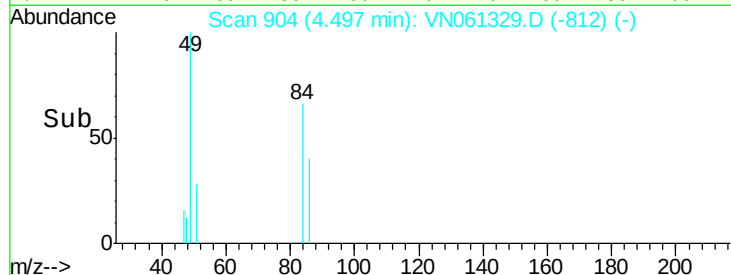
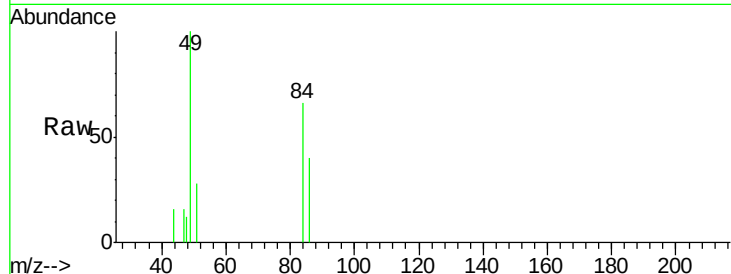
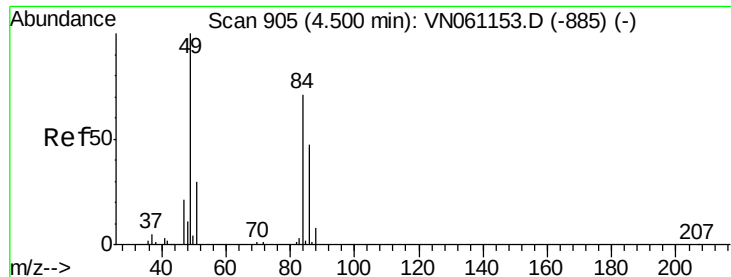
58 29.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





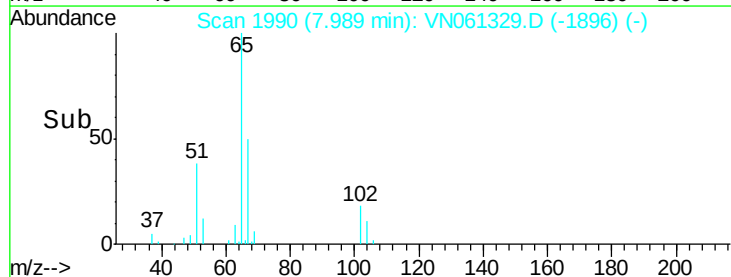
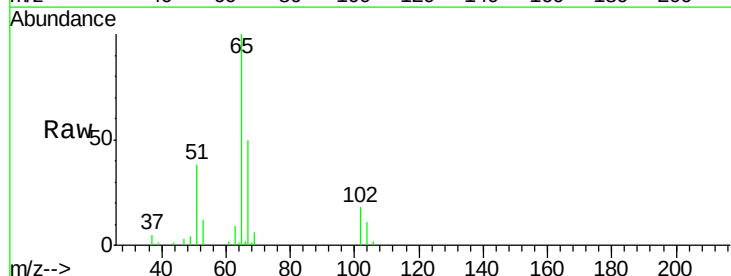
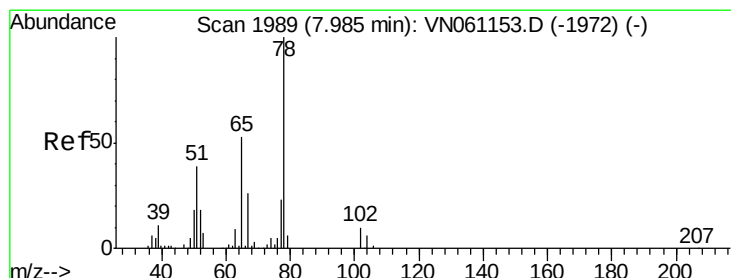
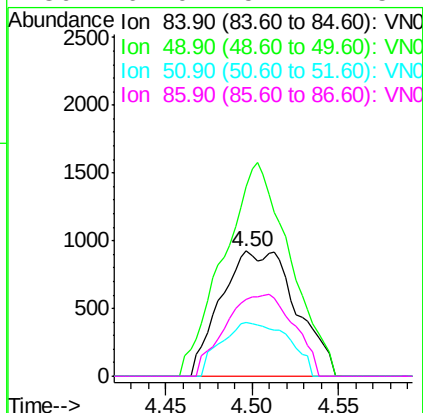
#20  
Methylene Chloride  
Concen: 2.444 ug/l m  
RT: 4.50 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: VN061329.D  
Acq: 7 May 2020 13:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 2797  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 151.4 | 112.0 | 168.0 |
| 51       | 42.5  | 33.6  | 50.4  |
| 86       | 61.0  | 52.1  | 78.1  |

Instrument :  
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PB128697ZHE#03

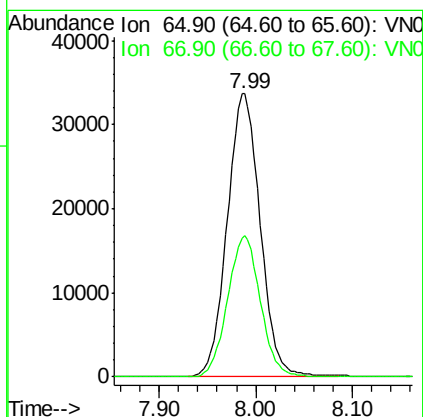
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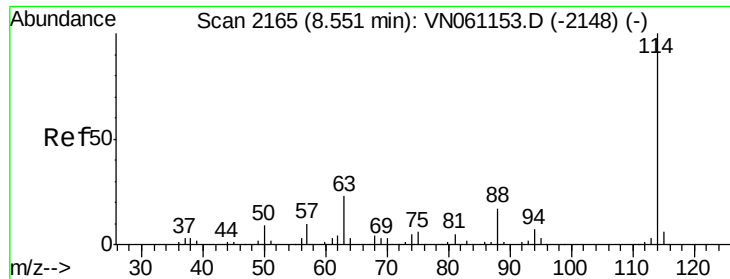
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#33  
1,2-Dichloroethane-d4  
Concen: 54.348 ug/l  
RT: 7.99 min Scan# 1990  
Delta R.T. 0.00 min  
Lab File: VN061329.D  
Acq: 7 May 2020 13:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 79773 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 49.2  | 0.0   | 101.6 |





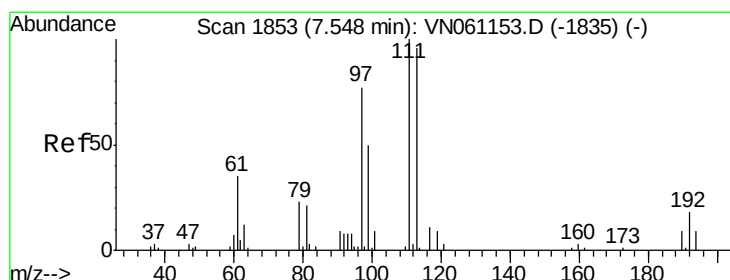
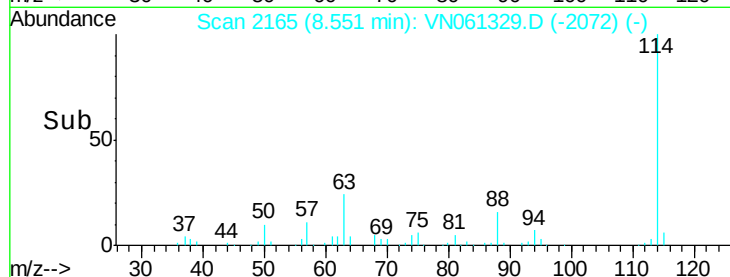
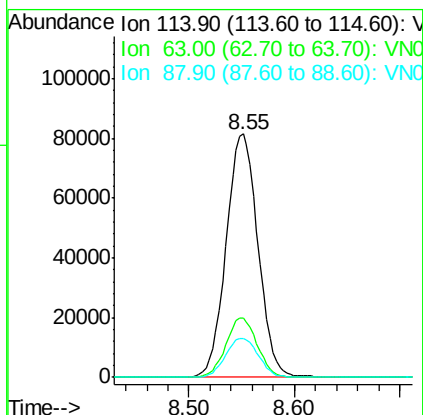
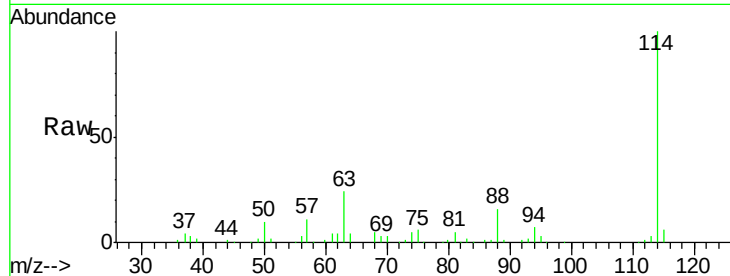
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VN061329.D  
 Acq: 7 May 2020 13:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128697ZHE#03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 169939 |       |       |
| 63      | 24.2  | 0.0    | 46.6  |       |
| 88      | 16.1  | 0.0    | 33.4  |       |

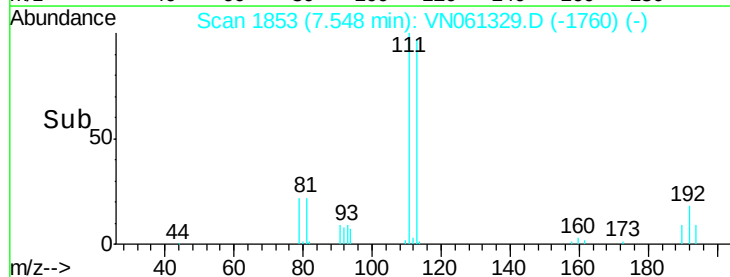
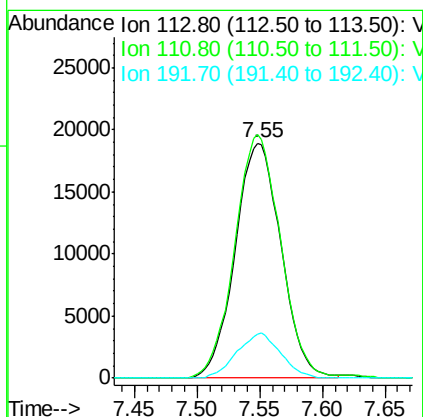
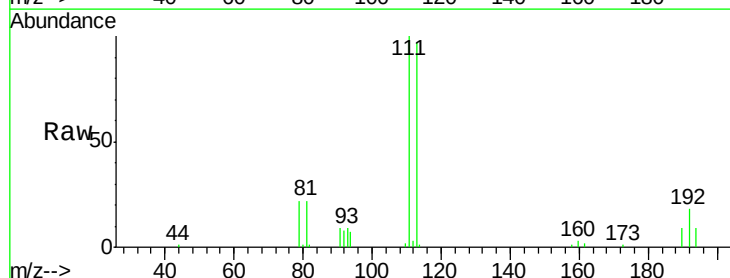
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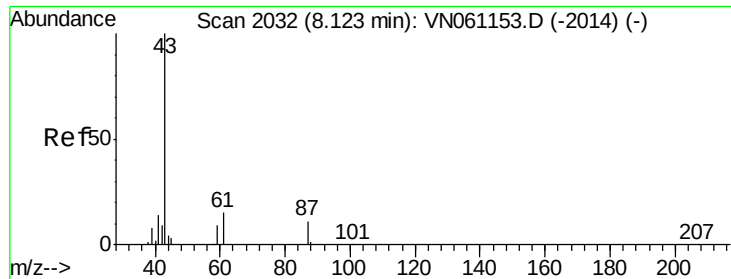
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#35  
 Dibromofluoromethane  
 Concen: 47.949 ug/l  
 RT: 7.55 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VN061329.D  
 Acq: 7 May 2020 13:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 48183 |       |       |
| 111     | 103.1 | 82.9  | 124.3 |       |
| 192     | 18.2  | 14.7  | 22.1  |       |





#43

Isopropyl Acetate

Concen: 10.420 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA\_N

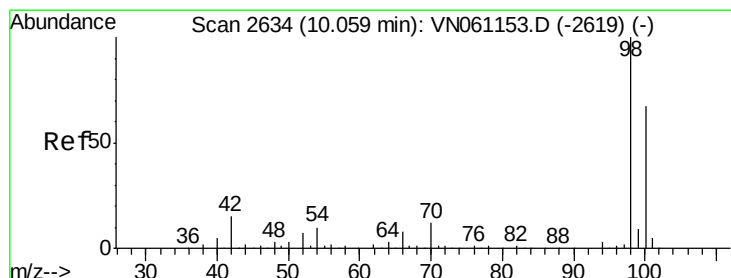
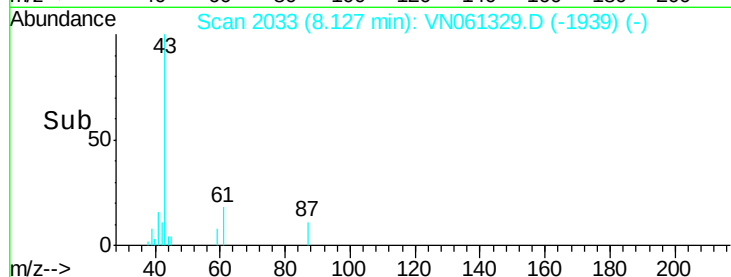
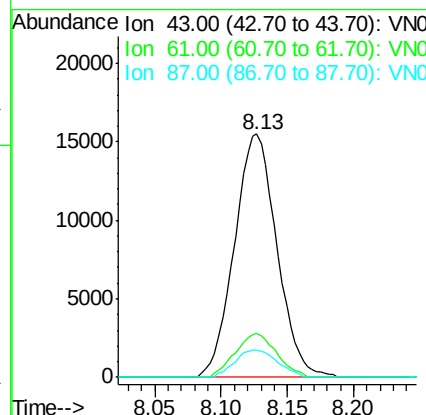
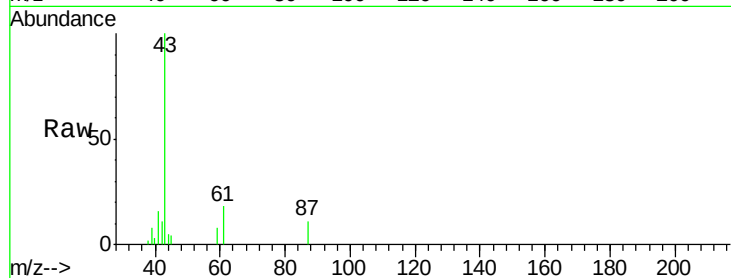
ClientSampleId :

PB128697ZHE#03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 43    | Resp: | 34487 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 17.5  | 19.5  | 29.3# |
| 87        | 11.2  | 8.9   | 13.3  |

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#50

Toluene-d8

Concen: 53.176 ug/l

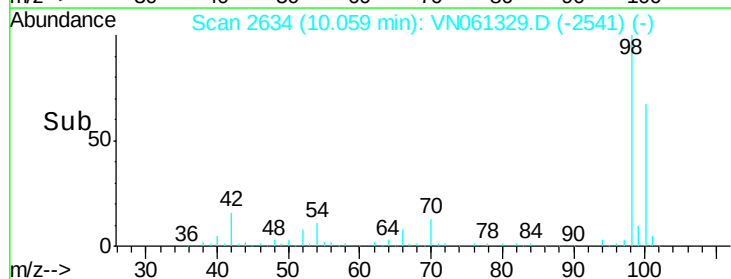
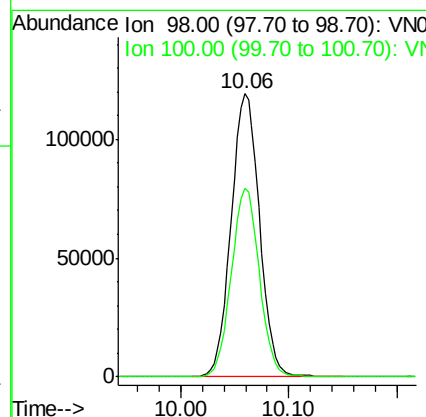
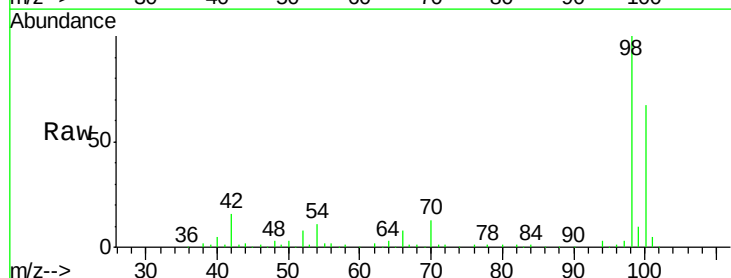
RT: 10.06 min Scan# 2634

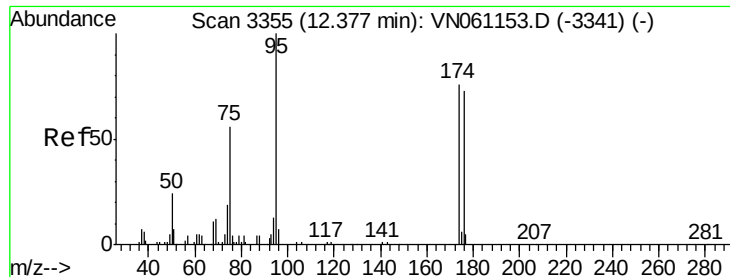
Delta R.T. 0.00 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 217834 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 65.7  | 53.4  | 80.0   |





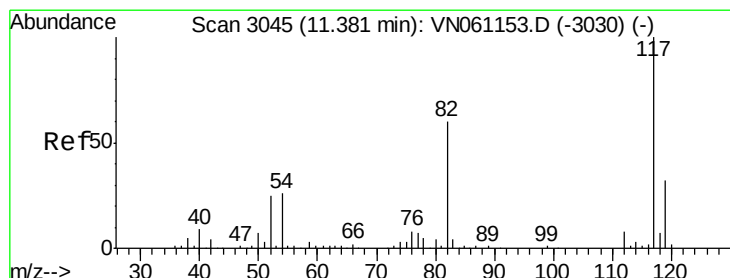
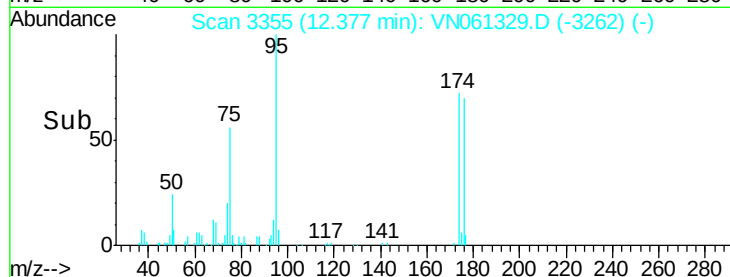
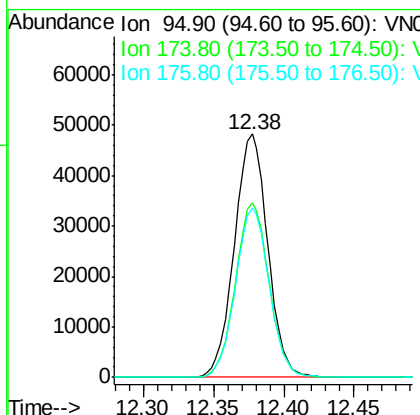
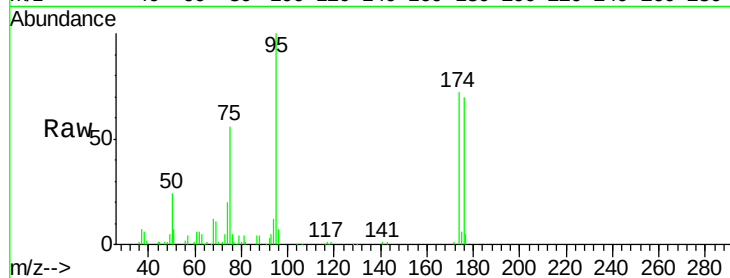
#62  
 4-Bromofluorobenzene  
 Concen: 51.965 ug/l  
 RT: 12.38 min Scan# 3355  
 Delta R.T. 0.00 min  
 Lab File: VN061329.D  
 Acq: 7 May 2020 13:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128697ZHE#03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 72.2  | 0.0   | 149.4 |
| 176     | 70.1  | 0.0   | 144.8 |

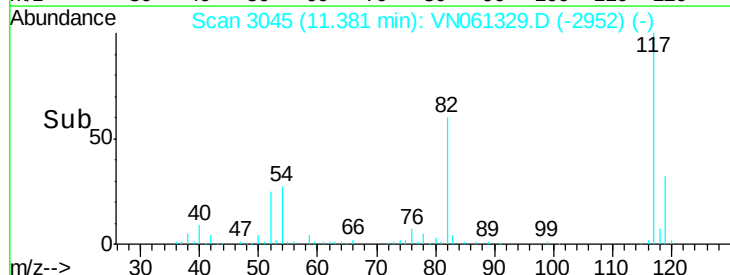
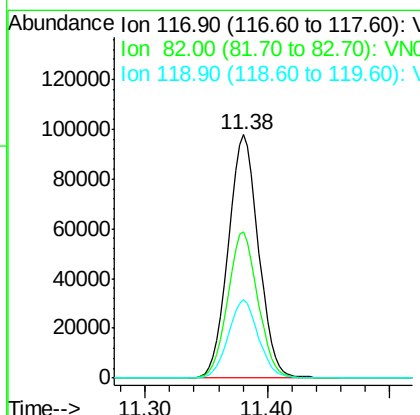
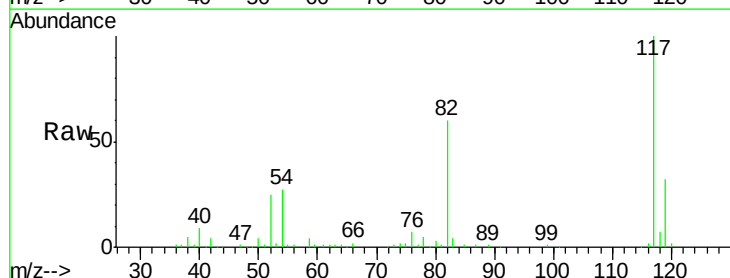
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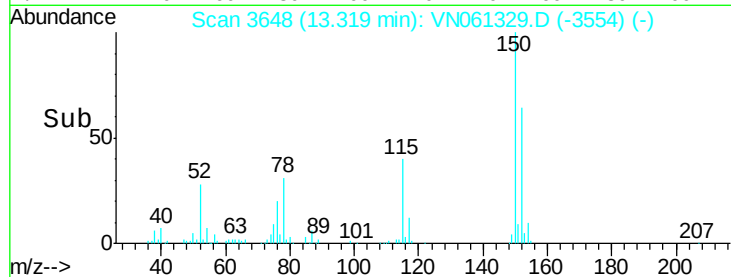
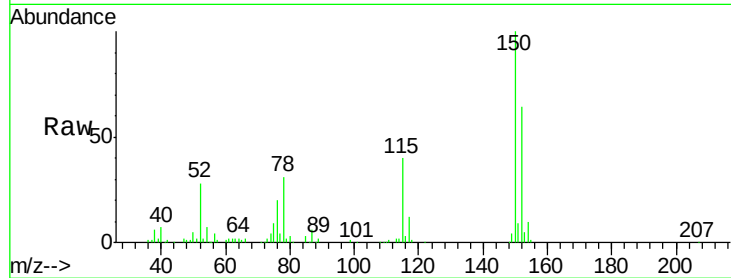
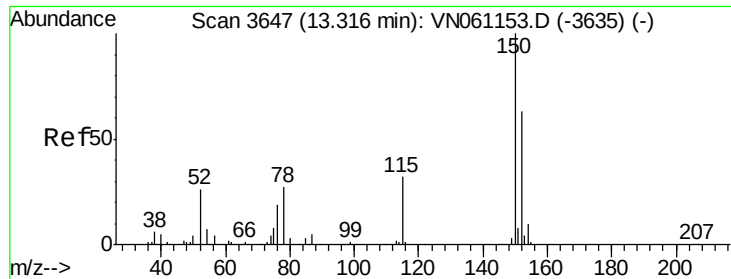
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#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.38 min Scan# 3045  
 Delta R.T. 0.00 min  
 Lab File: VN061329.D  
 Acq: 7 May 2020 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.1  | 47.8  | 71.8  |
| 119     | 32.1  | 25.8  | 38.6  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.32 min Scan# 3648  
 Delta R.T. 0.00 min  
 Lab File: VN061329.D  
 Acq: 7 May 2020 13:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128697ZHE#03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.4  | 31.0  | 93.0  |
| 150     | 157.0 | 0.0   | 351.8 |

Manual Integrations  
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